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SKU M3110

Micro Swiss FlowTech™ Hotend for Sovol SV08

INSTALLATION INSTRUCTIONS

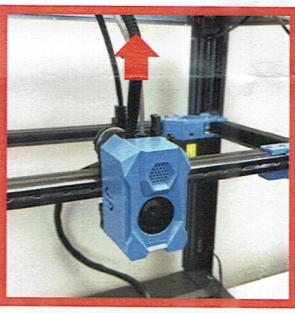
Tools Required:

2.0mm Allen wrench
2.5mm Allen wrench

What's in the box:

Heatsink
Copper Thermal Adapter
0.4mm Plated Brass Nozzle
Titanium Mounting Screws (2x)
Heater Core
Silicone Sock

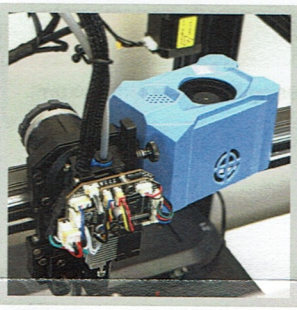
STEP 1



SAFETY / PREPARATION

- Unload the filament from the printer.
- Allow the hotend to cool down to room temperature.
- Power off the printer.
- Disconnect the power cable.

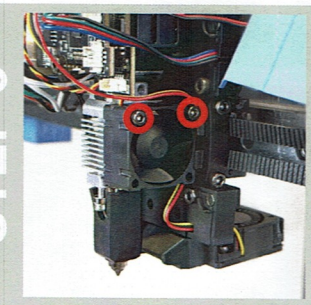
STEP 2

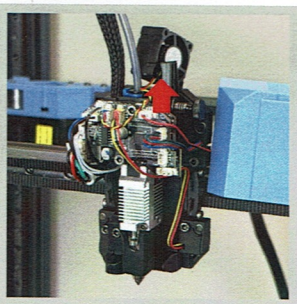


REMOVE THE FAN SHROUD

- Pull the magnetic fan shroud off of the print head.
- Set the fan shroud on top of the aluminum extrusion.
  Leave the connector attached to the breakout board.

STEP 3

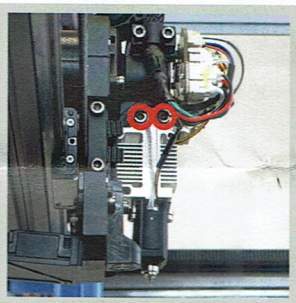


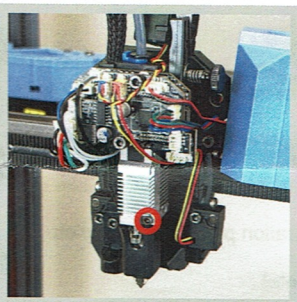


DETACH THE FAN

- Remove the two screws securing the cooling fan to the heatsink.
  (2.5mm Allen wrench)
- Set the fan on top of the print head.
  Leave the fan connector attached to the breakout board.

STEP 4

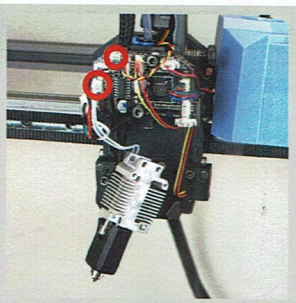




UNFASTEN THE ORIGINAL HOTEND

- Remove the two screws from the top left side of the heatsink.
  (2.5mm Allen wrench)
- Remove the screw located on the front of the heatsink.
  (2.0mm Allen wrench)

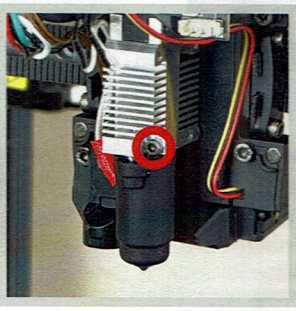
STEP 5

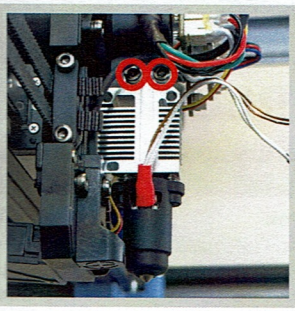


DISCONNECT THE CABLES

- Disconnect the original hotend's thermistor and heater cables from the breakout board.

STEP 6



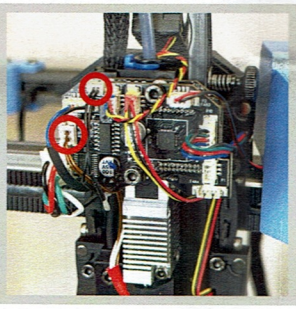


FASTEN THE FLOWTECH HOTEND

• Attach the FlowTech hotend to the carriage using the three original screws.
(2.0mm and 2.5mm Allen wrenches)

Use the (M2.5 x 30mm) screw in the front of the heatsink and two (M3 x 16mm) screws in the top left side of the heatsink.

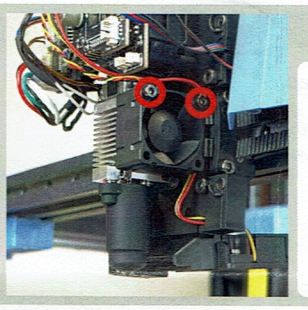
STEP 7



CONNECT THE FLOWTECH HOTEND

• Connect the FlowTech hotend's heater and thermistor cables to the matching ports on the breakout board.

STEP 8

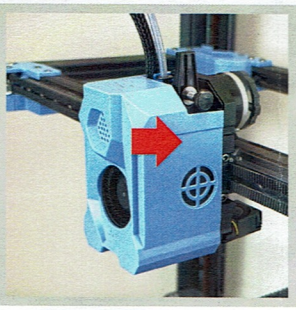


ATTACH THE FAN

• Attach the cooling fan to the FlowTech heatsink using the two original screws.
(2.5mm Allen wrench)

Use the two (M2.5 x 18mm) screws.

STEP 9

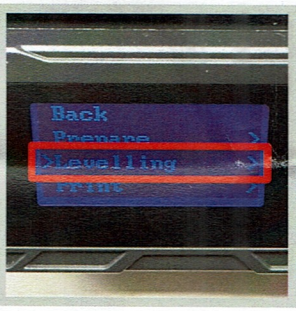


INSTALL THE FAN SHROUD

• Tuck the cables in so that they do not get in the way of the fan shroud.

• Reinstall the magnetic fan shroud.

STEP 10



CALIBRATE

• Connect the power cable.

• Power on the 3D printer.

• Navigate the printer screen menus to “Leveling” and then select “Calibrate Zoffset”.

• Wait for the calibration process to complete.

Installation Complete!

NOTE

NOZZLE REPLACEMENT PROCEDURE

The FlowTech nozzles can be swapped while the hotend is at room temperature.

• Pull the silicone sock off of the heater core.

• Use a 7mm wrench to unscrew the nozzle.

• Install and tighten the new nozzle until snug (15 inch-pounds of torque) using a 7mm wrench.

• Replace the silicone sock.